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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	09/780,962
Filing Date	February 9, 2001
First Named Inventor	Eric James Reed
Art Unit	2154
Examiner Name	Mohammad A. Siddiqui
Attorney Docket Number	085804 . 019800

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
MAS		us- 3,568,156	03.02.1971	Kenneth L. Thompson	
		us- 4,384,329	05.17.1983	Walter S. Rosenbaum	
		us- 4,833,610	05.23.1989	Antonio D. Zamora	
		us- 5,062,143	10.29.1991	John C. Schmitt	
		us- 5,182,708	01.26.1993	Koichi Ejiri	
		us- 5,241,674	08.31.1993	Yoshiaki Kuorsawa	
		us- 5,303,150	04.12.1994	Masayuki Komeda	
		us- 5,303,302	04.12.1994	Michael Burrows	
		us- 5,371,807	12.06.1994	Michael S. Register	
		us- 5,392,212	02.21.1995	Jon C. Geist	
		us- 5,404,505	04.04.1995	Frank H. Levinson	
		us- 5,418,951	05.23.1995	Mark Damashek	
		us- 5,497,488	03.05.1996	Mirsuru Akizawa	
		us- 5,499,046	03.12.1996	Jay B. Schiller, et al.	
		us- 5,539,635	07.23.1996	Ernest J. Larson, Jr.	
		us- 5,548,507	08.20.1996	Michael J. Martino	
		us- 5,583,763	12.20.1996	John Atcheson	
MAS		us- 5,592,511	01.07.1997	Neil C. Schoen	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				
MAS		AU A53031/98	02.21.1997	Dudley John Mills		
		EP 01/73639	05.03.1986	Avrom R. Handleman		
		EP 1 050 833 A2	08.11.2000	Michael A. Lazarus		
		EP 1236354	09.04.2002	Jeffrey Boulter		
MAS		EP 0 847 156 A2	09.12.1997	Robert L. Wolfe		

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Sheet

-2-

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-17-

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		Number-Kind Code <sup>2</sup> (if known)			
MAS		us-5,608,622	03.04.1997	Kenneth W. Church	
		us-5,616,876	07.01.1997	Jonathan C. Cluts	
		us-5,661,787	08.26.1997	Michael H. Pocock	
		us-5,675,786	10.07.1997	Neil Howard McKed	
		us-5,678,054	10.14.1997	Satoshi Shibata	
		us-5,706,365	01.06.1998	Vijayakumar Rangarajan	
		us-5,708,709	01.13.1998	John R. Rose	
		us-5,713,016	01.27.1998	Jon R. Hill	
		us-5,721,827	02.24.1998	James Logan	
		us-5,726,909	03.10.1998	Thomas M. Krikorian	
		us-5,740,134	04.14.1998	Tim Peterson	
		us-5,754,938	05.19.1998	Frederick S.M. Herz	
		us-5,758,257	05.26.1998	Frederick Herz	
		us-5,764,235	06.09.1998	William J. Hunt	
		us-5,774,357	06.30.1998	Steven M. Hoffberg	
MAS		us-5,790,423	08.04.1998	Edwin J. Lan, et al.	
		us-5,790,935	08.04.1998	David W. Payton	

**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				
MAS		EP 0955592 A2	04.30.1999	Zhenya Yourlo		
		EP 1010098 B1	04.15.1998	Dale Tyson Roberts		
		EP 1324567 A2	04.15.1998	Dale Tyson Roberts		
MAS		GB 2,306,869	11.03.1995	Patrik Garten		
		JP 2001202368	07.27.2001	Kitaura Keiko		

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Art Unit	2154
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Attorney Docket Number	085804 . 019800

Sheet -3-

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MRS		us- 5,809,246	09.15.1998	Robert J. Goldman	
		us- 5,819,160	10.06.1998	Mark Foladare	
		us- 5,842,010	11.24.1998	Ravi Kumar Jain	
		us- 5,862,220	01.19.1999	Stephen G. Perlman	
		us- 5,862,339	01.19.1999	Patrick P. Bonnaure	
		us- 5,864,868	01.26.1999	David C. Contois	
		us- 5,872,921	02.16.1999	Manuel Zahariev	
		us- 5,881,234	03.09.1999	Pierre R. Schwab	
		us- 5,883,986	03.16.1999	Gary E. Kopec	
		us- 5,884,312	03.16.1999	Robert Frederick Dustan	
		us- 5,898,833	04.27.1999	Jeff Kidder	
		us- 5,913,040	06.15.1999	Yuval Rakavy	
		us- 5,913,041	06.15.1999	Srinivas Ramanathan	
		us- 5,926,207	07.20.1999	Mark F. Vaughan	
		us- 5,930,526	07.27.1999	Vaughn Iverson	
		us- 5,930,768	07.27.1999	Edward Hooban	
MS		us- 5,931,907	08.03.1999	Nicholas John Davies	
		us- 5,941,951	08.24.1999	Michael Norman Day	

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		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				
MRS		JP 2001521642	11.06.2001	Dale Tyson Roberts		
		WO 97/07467	02.27.1997	Sean Phelan		
		WO 98/25269	06.11.1998	Keith Reynolds Wehmeyer		
MS		WO 98/47080	10.22.1998	Dale Tyson Roberts		

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Sheet -4-

of -17-

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MAS		us- 5,945,988	08.31.1999	Christopher D. Williams	
		us- 5,950,189	09.07.1999	Edith Cohen	
		us- 5,956,482	09.21.1999	Sanjay Agraharam	
		us- 5,960,430	09.28.1999	Ira Joseph Haimowitz	
		us- 5,969,283	10.19.1999	Brian M. Looney	
		us- 5,977,964	11.02.1999	Christopher D. Williams	
		us- 5,987,525	11.16.1999	Dale Tyson Roberts	
		us- 5,996,015	11.30.1999	Michael Norman Day	
		us- 6,000,008	12.07.1999	Robert J. Simcoe	
		us- 6,009,382	12.28.1999	Michael John Martino	
		us- 6,012,098	01.04.2000	Elias N. Bayeh	
		us- 6,020,883	02.01.2000	Frederick Herz	
		us- 6,026,398	04.15.2000	David Brown	
		us- 6,026,439	02.15.2000	Shyamal Chowdhury	
		us- 6,029,195	02.22.2000	Frederick S.M. Herz	
MAS		us- 6,031,795	02.29.2000	Keith Reynolds Wehmeyer	

**FOREIGN PATENT DOCUMENTS**

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MAS		WO 99/27681	06.03.1999	Steven D. Leeke		
		WO 99/43111	08.26.1999	James Logan		
		WO 00/31964	06.02.2000	Magnus Jandel		
		WO 00/46681 A1	02.08.2000	Christopher M. Coulthard		
MAS		WO 01/33379 A1	10.27.2000	Kumar Jayanta Dey		

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-5-

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MAS		us-6,035,268	03.07.2000	Alwin B. Carus	
		us-6,038,527	03.14.2000	Ingrid Renz	
		us-6,038,591	03.14.2000	Robert L. Wolfe	
		us-6,047,251	04.04.2000	Leonard K. Pon	
		us-6,047,268	04.04.2000	Paul D. Bartoli	
		us-6,047,320	04.04.2000	Satoru Tezuka	
		us-6,047,327	04.04.2000	Michael Man-Hak Tso	
		us-6,052,717	04.18.2000	Brian Reynolds	
		us-6,064,980	05.16.2000	Jennifer A. Jacobi	
		us-6,065,051	05.16.2000	Douglas W. Steele	
		us-6,065,058	05.16.2000	Brent Tzion Hailpern	
		us-6,070,185	05.30.2000	Vinod Anupam	
		us-6,085,242	07.04.2000	Rohit Chandra	
		us-6,097,719	08.01.2000	Ray Benash	
		us-6,102,406	08.15.2000	Steven A. Miles	
MAS		us-6,105,022	08.15.2000	Toru Takahashi	

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MAS		WO 01/35667 A1	11.09.2000	Jeffrey Boulter		
		WO 01/54323 A2	01.17.2001	Paul M. Hunt		
		WO 01/73639 A1	10.04.2001	Rick McEwan		
MAS		WO 02/42862 A2	05.30.2002	Clark Phillip Evans		

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MAS		us-6,131,082	10.10.2000	James E. Hargrave	
		us-6,134,532	10.17.2000	Michael A. Lazarus	
		us-6,138,142	10.24.2000	Steven J. Linsk	
		us-6,161,139	12.12.2000	Teresa Win, et al.	
		us-6,167,369	12.26.2000	Bruno M. Schulze	
		us-6,182,142	01.30.2001	Teresa Win	
		us-6,185,560	02.06.2001	Kai W. Young	
		us-6,192,340	02.20.2001	Max Abecassis	
		us-6,205,126	03.20.2001	Billy Gayle Moon	
		us-6,222,980	04.24.2001	Hiroshi Asai	
		us-6,225,546	05.01.2001	Reiner Kraft	
		us-6,246,672	06.12.2001	Leon Lumelsky	
		us-6,249,810	06.19.2001	Jozsef Kiraly	

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet -7-

of -14-

**Complete if Known**

Application Number	09/780,962
Filing Date	February 9, 2001
First Named Inventor	Eric James Reed
Art Unit	2154
Examiner Name	Mohammad A. Siddiqui
Attorney Docket Number	085804 . 019800

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
MAS		US- 6,252,988	06.26.2001	Tin Kam Ho	
		US- 6,263,313	07.17.2001	Kenneth Louis Milsted	
		US- 6,272,456	08.07.2001	Miguel Cardoso de Campos	
		US- 6,272,495	08.07.2001	Greg Hetherington	
		US- 6,282,548	08.28.2001	Michael E. Burner	
		US- 6,292,795	09.18.2001	Matthew Peters	
		US- 6,298,446	10.02.2001	Daniel Schreiber	
		US- 6,314,421	11.06.2001	David Muir Sharnoff	
		US- 6,317,761	11.13.2001	Rick W. Landsman	
		US- 6,321,205	11.20.2001	Jeff Eder	
		US- 6,321,221	11.20.2001	Paul Bieganski	
		US- 6,343,317	01.29.2002	Harry A. Glorikian	
		US- 6,353,849	03.05.2002	Steven J. Linsk	
		US- 6,370,315	04.09.2002	Toshio Mizuno	
		US- 6,370,513	04.09.2002	Adam K. Kolawa	
MAS		US- 6,389,467	05.14.2002	Aviv Eyal	
		US- 6,405,203	06.11.2002	Todd R. Collart	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				

Examiner  
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M. A. Siddiqui

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Sheet -8-

of -17-

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		Number-Kind Code <sup>2</sup> (if known)			
MBS		us- 6,430,539	08.06.2002	Michael A. Lazarus	
		us- 6,434,535	08.13.2002	Michael S. Kupka	
		us- 6,438,579	08.20.2002	Benjamin F. Hosken	
		us- 6,487,598	11.26.2002	Andrew J. Valencia	
		us- 6,490,553	12.03.2002	Jean-Manuel Van Thong	
		us- 6,505,203	01.07.2003	Kenneth L. Levy	
		us- 6,512,763	01.28.2003	Richard Case DeGolia, Jr.	
		us- 6,513,061	01.28.2003	Tommoichi Ebata	
		us- 6,522,769	02.13.2003	Geoffrey B. Rhoads	
		us- 6,526,411	02.25.2003	Sean Ward	
		us- 6,532,477	03.11.2003	John C. Tang	
		us- 6,538,996	03.25.2003	Julian Wray West	
		us- 6,557,026	04.29.2003	James H. Stephens, Jr.	
		us- 6,560,403	05.06.2003	Yoshiaki Tanaka	
		us- 6,560,704	05.06.2003	Jude Gerard Dieterman	
		us- 6,587,127	07.01.2003	Steven D. Leeke	

**FOREIGN PATENT DOCUMENTS**

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Sheet -9-

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		Number-Kind Code <sup>2</sup> (if known)			
MRS		us-6,611,813	08.06.2003	Timothy Robert Bratton	
		us-6,614,914	09.02.2003	Geoffrey B. Rhoads	
		us-6,615,208	09.02.2003	Clifford A. Behrens	
		us-6,655,963	12.02.2003	Eric J. Horvitz	
		us-6,657,117	12.02.2003	Christopher B. Weare	
		us-6,658,151	12.02.2003	Dar-Shyang Lee	
		us-6,661,787	12.09.2003	Anne G. O'Connell	
		us-6,677,894	01.13.2004	Leonid Sheynblat	
		us-6,725,446	04.20.2004	Chris P. Hahn	
		us-6,741,980	05.25.2004	Justin Langseth	
		us-6,757,740	06.29.2004	Sanjay M. Parekh	
		us-6,807,632	10.19.2004	Paul R. Carpentier	
		us-6,889,383	05.03.2005	Matthew Jarman	
		us-6,925,441	08.02.2005	Charles L. Jones, III	
		us-6,952,523	10.04.2005	Yoshiaki Tanaka	
		us-60/144,377	07.16.1999	Benjamin E. Hosken	
		us-60/165,726	11.15.1999	Sean Michnel Ward	
		us-60/165,727	11.15.1999	Sean Michnel Ward	
		us-60/166,039	11.17.1999	Sean Michnel Ward	

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Sheet -10-

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MAS		us- 2001/0005823	06.18.2001	Uwe Fischer	
		us- 2001/0042107	11.15.2001	Stephen R. Palm	
		us- 2001/0042109	11.15.2001	Mark T. Bolas	
		us- 2001/0044855	11.22.2001	Brian Christopher Vermeire	
		us- 2001/0055276	12.27.2001	Shane M. Rogers	
		us- 2002/0002039	01.03.2002	Safi Qureshey	
		us- 2002/0004839	01.10.2002	William Wine	
		us- 2002/0007418	01.17.2002	Kiran Venkatesh Hegde	
		us- 2002/0010621	01.24.2002	Christopher Nathan Bell	
		us- 2002/0010714	01.24.2002	Greg Hetherington	
		us- 2002/0010789	01.24.2002	Frank H. Lord	
		us- 2002/0013852	01.31.2002	Craig Janik	
		us- 2002/0016839	02.07.2002	Andrew J. R. Smith	
		us- 2002/0035561	03.21.2002	John Archer	
		us- 2002/0045717	04.18.2002	Werner Grenda	
		us- 2002/0056004	05.09.2002	Andrew J. R. Smith	
		us- 2002/0065857	05.30.2002	Zbigniew Michalewicz	
MAS		us- 2002/0082901	06.27.2002	Ted E. Dunning	

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Filing Date	February 9, 2001
First Named Inventor	Eric James Reed
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Sheet

-11-

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-17-

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		Number-Kind Code <sup>2</sup> (if known)			
MAS		us- 2002/0095387	07.18.2002	Bertrand Sosa	
		us- 2002/0099696	07.25.2002	John Prince	
		us- 2002/0099737	07.25.2002	Charles A. Porter	
		us- 2002/0129123	09.12.2002	Scott C. Johnson	
		us- 2002/0152204	10.17.2002	Ruben Ernesto Ortega	
		us- 2002/0175941	11.28.2002	Leonard S. Hand	
		us- 2003/0002608	01.02.2003	Robert C. Glenn	
		us- 2003/0007507	01.09.2003	Doron Rajwan	
		us- 2003/0083871	05.01.2003	Jonathan T. Foote	
		us- 2003/0093476	05.15.2003	Majid Syed	
		us- 2003/0133453	07.17.2003	Hiromichi Makishima	
		us- 2003/0139989	07.24.2003	Eduardo Enrique Churquina	
		us- 2003/0165200	09.04.2003	Michael Anthony Pugel	
		us- 2003/0182139	09.25.2003	Geoffrey H. Harris	
		us- 2003/0190077	10.09.2003	David Jutin Ross	
MAS		us- 2003/0206558	11.06.2003	Teemu Parkkinen	
		us- 2005/0149759	07.07.2005	Balamani S. Vishwanath	

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First Named Inventor	Eric James Reed
Art Unit	2154
Examiner Name	Mohammad A. Siddiqui
Attorney Docket Number	085804 . 019800

Sheet

-12-

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-17-

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
MAS		Alan Griffiths, H. Claire Luckhurst and Peter Willett, "Using Interdocument Similarity Information in Document Retrieval Systems," pgs. 365 - 373, John Wiley & Sons, Inc., 1986	
MAS		Ben J. Schafer, et al., "Recommender Systems In E-Commerce", Proceedings ACM Conference On Electronic Commerce, pp. 158-166, XP002199598, 1999	
MAS		Brian P. McCune, Richard M. Tong, Jeffrey S. Dean, and Daniel G. Shapiro, "RUBRIC: A System for Rule-Based Information Retrieval," pgs. 440 - 445	
MAS		C. J. van Rijsbergen, B.Sc., Ph.D., M.B.C.S., "Information Retrieval," Department of Computing Science - University of Glasgow [online], 1979 [retrieved on 2001-08-24] Retrieved from <URL:http://www.dcs.gla.ac.uk/keith/preface.html> (213 pages)	
MAS		Carl de Marcken, "The Unsupervised Acquisition of a Lexicon from Continuous Speech," Massachusetts Institute of Technology Artificial Intelligence Laboratory: Center for Biological and Computational Learning, Department of Brain and Cognitive Sciences, A.I. Memo No. 1558 and C.B.C.L. Memo No. 129, November 2001, pp. 1-27	
		<del>Charu C. Aggarwal, Cecilia Procopiuc, Joel L. Wolf, Philip S. Yu, and Jong Soo Park, "Fast Algorithm for Projected Clustering," Proceedings of the ACM SIGMOD International Conference on Management of Data, 1999</del> <i>No Page</i>	
MAS		Connor Hayes, et al., Smart Radio - A Proposal, Technical Report TCD-CS-1999-24, Online! April 1999, pages 1-14, XP002279579, Trinity College Dublin, Ireland, Retrieved from the Internet: <URL:http://www.cs.tcd.ie/publications/tech-reports/reports.99/TCD-CS-1999-24.pdf>, retrieved on May 7, 2004	
MAS		Cyril Cleverdon, "The Cranfield Tests On Index Language Devices," presented April 27th 1967, pgs. 47 - 59, Found in: Readings in Information Retrieval, Edited by Karen Sparck Jones and Peter Willett, Morgan Kaufmann Publishers, Inc., San Francisco, CA, 1997	

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	09/780,962
Filing Date	February 9, 2001
First Named Inventor	Eric James Reed
Art Unit	2154
Examiner Name	Mohammad A. Siddiqui
Attorney Docket Number	085804 . 019800

Sheet -13-

of

-17-

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
MAS		Cyril W. Cleverdon and J. Mills, "The Testing Of Index Language Devices," presented February 5, 1963, Chapter 3 - Key Concepts, pgs. 98 - 110, Found in: Readings in Information Retrieval, Edited by Karen Sparck Jones and Peter Willett, Morgan Kaufmann Publishers, Inc., San Francisco, CA, 1997	
MAS		David A. Hull and Gregory Grefenstette, "Querying Across Languages: A Dictionary-Based Approach to Multilingual Information Retrieval," pp. 484-492	
MAS		David Nichols, et al., Recommendation And Usage In The Digital Library, Technical Report Ref. CSEG/2/1997, Online! 1997, pages 1-15, XP002279577, Retrieved from the Internet <URL:ftp://ftp.comp.lancs.ac.uk/pub/reports/1997/CSEG.2.97.pdf>, retrieved on May 7, 2004	
MAS		E. Michael Keen, "Presenting Results of Experimental Retrieval Comparisons," Department of Information & Library Studies, University College of Wales, Aberystwyth, SY23 3AS U.K., pgs. 217 - 222	
MAS		F.W. Lancaster, "MEDLARS: Report on the Evaluation of Its Operating Efficiency," pp. 223-246	
		<del>Gerard Salton and C. Buckley, "Term-Weighting Approaches In Automatic Text Retrieval," (received November 19, 1987; accepted in final form January 26, 1988), Department of Computer Science, Cornell University, Ithaca, NY</del> <i>No Pages</i>	
MAS		Gerard Salton and M. E. Lesk, "Computer Evaluation Of Indexing and Text Processing," pgs. 60 - 84, Found in: Readings in Information Retrieval, Edited by Karen Sparck Jones and Peter Willett, Morgan Kaufmann Publishers, Inc., San Francisco, CA, 1997	
MAS		Gerard Salton and M.J. McGill, "The SMART and SIRE Experimental Retrieval Systems," pgs. 381 - 399	

Examiner Signature	<i>M. A. Siddiqui</i>	Date Considered	<i>09/23/07</i>
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		Application Number	09/780,962
		Filing Date	February 9, 2001
		First Named Inventor	Eric James Reed
		Art Unit	2154
		Examiner Name	Mohammad A. Siddiqui
Sheet -14-	of -17-	Attorney Docket Number	085804 . 019800

NON PATENT LITERATURE DOCUMENTS			
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MAS		Gerard Salton and Michael J. McGill, "Introduction to Modern Information Retrieval," Computer Science Series, pgs. 1 -435, 1983 by McGraw-Hill, Inc., McGraw-Hill Book Company, USA	
MAS		Gerard Salton, A. Wong and C.S. Yang, "A Vector Space Model for Automatic Indexing," Cornell University, pgs. 273 -280	
MAS		Gerard Salton, James Allan, Chris Buckley and Amit Singhal, "Automatic Analysis, Theme Generation, and Summarization of Machine-Readable Texts," pp. 478-483	
		<del>Ian Goldberg, Steven D. Gribble, David Wagner, Eric A. Brewer "The Ninja Jukebox" October 14, 1999</del> <i>NO PAGE</i>	
MAS		Ian H. Witten and Eibe Frank, "Data Mining, Practical Machine Learning Tools and Techniques with JAVA Implementations", Academic Press, pp. 57-76	
MAS		Jean Tague-Sutcliffe, "The Pragmatics of Information Retrieval Experimentation Revisited," School of Library and Information Science, University of Western Ontario, Canada, pgs. 205 - 216	
MAS		Karen Sparck Jones and Peter Willett (Editors), Chapter 3 - "Key Concepts," pgs. 85 - 92 Found in: Readings in Information Retrieval, Morgan Kaufmann Publishers, Inc., San Francisco, CA, 1997	
MAS		Karen Sparck Jones, G.J.F. Jones, J.T. Foote, and S.J. Young, "Experiments in Spoken Document Retrieval," pp. 493-502	

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STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	09/780,962
Filing Date	February 9, 2001
First Named Inventor	Eric James Reed
Art Unit	2154
Examiner Name	Mohammad A. Siddiqui
Attorney Docket Number	085804 . 019800

Sheet -15-

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
MAS		Karen Sparck Jones, "Search Term Relevance Weighting Given Little Relevance Information," pgs. 329-338, (originally located in Journal of Documentation, Vol. 35, No. 1; March 1979, pgs. 30 - 48)	
MAS		Lauren B. Doyle, "Indexing and Abstracting by Association - Part 1," pgs. 25 - 38, Santa Monica, CA, Found in: Readings in Information Retrieval, Edited by Karen Sparck Jones and Peter Willett, Morgan Kaufmann Publishers, Inc., San Francisco, CA, 1997	
MAS		Lisa F. Rau, "Conceptual Information Extraction and Retrieval from Natural Language Input," Artificial Intelligence Program GE Research and Development Center, Schenectady, NY 12301, pp. 527-533	
MAS		M. Agosti, G. Gradenigo, P.G. Marchetti, "A Hypertext Environment for Interacting with Large Textual Databases," pp. 469-477	
MAS		<del>M. F. Porter, "An Algorithm For Suffix Stripping," Computer Laboratory, Corn Exchange Street, Cambridge, 313-316</del>	
MAS		M.E. Maron and J.L. Kuhns, "On Relevance, Probabilistic Indexing and Information Retrieval," pgs. 39 - 46, Found in: Readings in Information Retrieval, Edited by Karen Sparck Jones and Peter Willett, Morgan Kaufmann Publishers, Inc., San Francisco, CA, 1997	
MAS		MusicMatch Literature downloaded from web.archive.org - 7 pages total	
MAS		N.J. Belkin, R.N. Oddy, H.M. Brooks, "The Journal of Documentation", pp. 299-304, Volume 38, Number 2, June 1982	

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Signature

M. A. Siddiqui

Date  
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09/23/07

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**INFORMATION DISCLOSURE  
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**Complete If Known**

Application Number	09/780,962
Filing Date	February 9, 2001
First Named Inventor	Eric James Reed
Art Unit	2154
Examiner Name	Mohammad A. Siddiqui
Attorney Docket Number	085804 . 019800

Sheet -16-

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**NON PATENT LITERATURE DOCUMENTS**

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		RealNetworks Literature downloaded from web.archive.org - 16 pages total	
MS		R. Brody, Ph.D., "The Conditions and Consequences of Profiling in Commercial and Governmental Settings," Technology And Society, 1998. ISTAS 98. Wiring The World: The Impact Of Information Technology On Society, Proceedings of the 1998 International Symposium on South Bend, IN, USA 12-13 June 1998, NY, NY, USA, IEEE, US, 12 June 1998 (1998-06-12), pp. 148-154, XP010291443, ISBN: 0-7803-4327-1 *the whole document*	
		S.E Robertson, "The Probability Ranking Principle In 1R," School of Library, Archive, Information Studies, University College of London, pgs. 281 - 286	
		S.E. Robertson and S. Walker, "Some Simple Effective Approximations to the 2 - Poisson Model for Probabilistic Weighted Retrieval," Centre for Interactive Systems Research, Department of Information Science, City University, Northampton Square, London, EC1V OHB, U.K., pgs. 345 - 354	
		Shoshana Loeb, "Architecting Personalized Delivery Of Multimedia Information", Communications Of The ACM, vol. 25, no. 12, December 1992, pp. 39-50, XP002102709	
		Tej Shah, "Improving Electronic Commerce Through Gathering Customer Data", TCC402 [online] 23 April 1998 (1998-04-23) XP002379874, University of Virginia, USA, Retrieved from the Internet: <URL:http://www.lib.virginia.edu> [Retrieved on 2006-05-08] *the whole document*	
		Thomas Hoffman, et al., "Latent Class Models For Collaborative Filtering", Proceedings Of The Sixteenth International Joint Conference On Artificial Intelligence, IJCAI 99, Stockholm, Sweden, July 31 -August 6, 1999, Online! pages 688-693, XPOO2279578, Retrieved from the Internet <URL:http://www.cs.brown.edu/th/papers/HofmannPuzicha-IJCAI99.pdf>, retrieved on May 7, 2004	
MS		Tomek Strzalkowski, "Robust Text Processing in Automated Information Retrieval," Courant Institute of Mathematical Sciences, pgs. 317 - 322	

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M. A. Siddiqui

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Considered

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Application Number	09/780,962
Filing Date	February 9, 2001
First Named Inventor	Eric James Reed
Art Unit	2154
Examiner Name	Mohammad A. Siddiqui
Attorney Docket Number	085804 . 019800

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MAS		Unjung Nam, Lectures: "Mel-Frequency Cepstral Analysis," [online] [retrieved on 2001-02-02] Retrieved from the Internet <URL:http://www.ccrma.stanford.edu/~unjung/mylec/mfcc.html>, pp. 1-3	
MAS		W. B. Croft and D. J. Harper, "Using Probabilistic Models of Document Retrieval Without Relevance Information," Department of Computer & Information Science, University of Massachusetts, pgs. 339 - 344	
MAS		W. J. Hutchins, "The Concept of 'Aboutness' in Subject Indexing," presented April 18, 1977, Chapter 3 - Key Concepts, pgs. 93 - 97, Found in: Readings in Information Retrieval, Edited by Karen Sparck Jones and Peter Willett, Morgan Kaufmann Publishers, Inc., San Francisco, CA, 1997	

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M. A. Siddiqui

Date  
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09/23/03

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1

of 1

**Complete if Known**

Application Number	09/780,962
Filing Date	February 9, 2001
First Named Inventor	Reed, et al.
Art Unit	2154
Examiner Name	M. Siddiqui
Attorney Docket Number	085804.010401

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	Footnote
		Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>3</sup> (if known)				
MJS		AU 763380	03-06-2000	International Business Machines Corp		

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